APS Research Results

FOR

INVENTOR(S):	DRYER, David C.; WILSON Leslie R.
CASE TITLE:	Selection of Graphical User Interface Agents by Cluster Analysis.
SERIAL NUMBER:	08/767,928
CLASS:	706
SUBCLASS:	11
FILING DATE:	17 DEC 96
DATE:	18 SEP 98

Wilbert L. Starks, Jr.
Art Unit 2762

23 SEP 1998
0900 HRS

=> s software and wizard and communication

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        74237 SOFTWARE
          200 WIZARD
       293177 COMMUNICATION
L1        33 SOFTWARE AND WIZARD AND COMMUNICATION
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=> focus

PROCESSING COMPLETED FOR L1
L2   33 FOCUS L1 1-

=> d 1-33

1. 5,335,276, Aug. 2, 1994, **Communication** system and methods for
enhanced information transfer; E. Earle Thompson, et al., 380/21;
379/88.02, 88.13, 201, 357, 434; 380/23, 25; 455/74, 186.1, 558, 563,
566; 704/246, 272, 275 [IMAGE AVAILABLE]

2. 5,465,401, Nov. 7, 1995, **Communication** system and methods for
enhanced information transfer; E. Earle Thompson, 455/558; 379/357, 420;
455/90, 343, 349, 411, 420, 501, 563, 564, 566 [IMAGE AVAILABLE]

3. 5,784,555, Jul. 21, 1998, Automation and dial-time checking of system
configuration for internet; Jeremy Daniel Stone, 395/200.5 [IMAGE
AVAILABLE]

4. 5,764,155, Jun. 9, 1998, Dynamic data exchange server; Veronica
Kertesz, et al., 340/825.08, 825.06, 870.02, 870.03, 870.13; 370/432;
379/100.04, 100.07 [IMAGE AVAILABLE]

5. 5,768,148, Jun. 16, 1998, Man machine interface for power management
control systems; Thomas A. Murphy, et al., 364/528.21; 345/332; 702/67
[IMAGE AVAILABLE]

6. 5,602,982, Feb. 11, 1997, Universal automated training and testing
software system; Wallace P. Judd, et al., 345/326, 352; 434/118;
706/927 [IMAGE AVAILABLE]

7. 5,778,187, Jul. 7, 1998, Multicasting method and apparatus; Antonio
M. Monteiro, et al., 395/200.61; 370/351 [IMAGE AVAILABLE]

8. 5,617,236, Apr. 1, 1997, Infrared **communication** device for
multistandard operations; Li-Chen Wang, et al., 359/172, 137, 176;

9. 5,432,940, Jul. 11, 1995, System and methods for improved computer-based training; Richard J. Potts, et al., 395/682; 364/221.3, 286, DIG.1 [IMAGE AVAILABLE]

10. 5,786,921, Jul. 28, 1998, Infrared communication device for multistandard operations; Li-Chen Wang, et al., 359/152, 113 [IMAGE AVAILABLE]

11. 5,664,204, Sep. 2, 1997, Apparatus and method for supplying power and wake-up signal using host port's signal lines of opposite polarities; Lichen Wang, 395/750.01; 326/62; 395/750.05, 882 [IMAGE AVAILABLE]

12. 5,593,349, Jan. 14, 1997, Automated league and tournament system for electronic games; Edward K. Miguel, et al., 463/30; 273/371; 463/1 [IMAGE AVAILABLE]

13. 5,461,699, Oct. 24, 1995, Forecasting using a neural network and a statistical forecast; Mansur Arbabi, et al., 706/21, 25, 925 [IMAGE AVAILABLE]

14. 5,797,031, Aug. 18, 1998, Method and apparatus for peripheral device control by clients in plural memory addressing modes; Raymond E. Shapiro, et al., 395/828, 840, 856, 868 [IMAGE AVAILABLE]

15. 5,790,855, Aug. 4, 1998, System, method and article of manufacture for type checking appropriateness of port connection and variable type matching in connection with multiport object-oriented components; Antony Azio Faustini, 395/701; 345/348 [IMAGE AVAILABLE]

16. 5,577,180, Nov. 19, 1996, Zone data streaming for 3-dimensional video environment; Lawrence P. Reed, 345/435, 302 [IMAGE AVAILABLE]

17. 5,497,464, Mar. 5, 1996, Address mapping logic for transferring data between a peripheral device of a base function expander unit and a palmtop computer as if the peripheral was a peripheral of the computer; Keming W. Yeh, 395/281; 364/231, 231.1, 231.2, 240, 240.2, 708.1, DIG.1; 395/308, 846 [IMAGE AVAILABLE]

18. 5,727,159, Mar. 10, 1998, System in which a Proxy-Server translates information received from the Internet into a form/format readily usable by low power portable computers; Dan Kikinis, 395/200.76 [IMAGE AVAILABLE]

19. 5,760,788, Jun. 2, 1998, Graphical programming system and method for enabling a person to learn text-based programming; Devindra S. Chainini, et al., 345/474, 348, 967 [IMAGE AVAILABLE]

20. 5,627,958, May 6, 1997, System and method for improved computer-based training; Richard J. Potts, et al., 345/336, 302, 340, 348; 434/118 [IMAGE AVAILABLE]

21. 5,767,854, Jun. 16, 1998, Multidimensional data display and manipulation system and methods for using same; Mohammed S. Anwar, 345/355, 419 [IMAGE AVAILABLE]

22. 5,475,375, Dec. 12, 1995, Electronic access control systems; Martin A. Barrett, et al., 340/825.31; 379/102.06 [IMAGE AVAILABLE]

23. 5,701,423. Dec. 23, 19██, Method for mapping, translating, and dynamically reconciling data between disparate computer platforms; Keith Crozier, 345/335; 395/200.83; 705/22, 28; 707/102, 505 [IMAGE AVAILABLE]

24. 5,666,553. Sep. 9, 1997. Method for mapping, translating, and dynamically reconciling data between disparate computer platforms; Keith Crozier, 707/540, 203 [IMAGE AVAILABLE]

25. 5,392,390. Feb. 21, 1995. Method for mapping, translating, and dynamically reconciling data between disparate computer platforms; Keith Crozier, 345/335; 707/505 [IMAGE AVAILABLE]

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29. 5,289,394. Feb. 22, 1994. Pocket computer for word processing; James M. Lapeyre, deceased, 364/709.12, 710.14 [IMAGE AVAILABLE]

30. 5,706,509. Jan. 6, 1998. Application independent record level synchronization; Michael Man-Hak Tso, 707/201, 200, 202 [IMAGE AVAILABLE]

31. 5,586,198. Dec. 17, 1996. Method and apparatus for identifying characters in ideographic alphabet; David Lakritz, 382/185; 400/110 [IMAGE AVAILABLE]

32. 5,575,576. Nov. 19, 1996. Keyboard; Brunn W. Roysden, Jr., 400/472; 341/22; 400/88, 486 [IMAGE AVAILABLE]

33. 5,483,586. Jan. 9, 1996. Electronic on-line subscriber telephone directory; Lester Sussman, 379/201, 216, 355 [IMAGE AVAILABLE]

* * * * * * RECONNECTED TO U.S. Patent & Trademark Office * * * * * *
SESSION RESUMED IN FILE 'USPAT' AT 11:58:23 ON 23 SEP 1998
FILE 'USPAT' ENTERED AT 11:58:23 ON 23 SEP 1998
=> s software and wizard

        74237 SOFTWARE
          200 WIZARD
L5   67 SOFTWARE AND WIZARD

=> focus

PROCESSING COMPLETED FOR L5
L6   67 FOCUS L5 1-

=> d 1-67

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395/677; 707/100 [IMAGE AVAILABLE]

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27. 5,778,402, Jul. 7, 1998, Method and system for auto-formatting a document using an event-based rule engine to format a document as the user types; Dale L. Gipson, 707/530, 523, 531 [IMAGE AVAILABLE]

28. 5,754,737, May 19, 1998, System for supporting interactive text correction and user guidance features; Dale L. Gipson, 706/11, 47 [IMAGE AVAILABLE]

29. 5,593,349, Jan. 14, 1997, Automated league and tournament system for electronic games; Edward K. Miguel, et al., 463/30; 273/371; 463/1 [IMAGE AVAILABLE]

30. 5,483,052, Jan. 9, 1996, System for reading, storing and using bar-encoded data from a coded business card or other printed material; Herbert J. Smith, III, et al., 235/472, 380 [IMAGE AVAILABLE]

31. 5,475,375, Dec. 12, 1995, Electronic access control systems; Martin A. Barrett, et al., 340/825.31; 379/102.06 [IMAGE AVAILABLE]

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34. 5,654,696, Aug. 5, 1997, Method for transferring auxillary data using components of a secure entry system; Martin A. Barrett, et al., 340/825.31; 70/63; 379/102.06 [IMAGE AVAILABLE]

35. 5,811,238, Sep. 22, 1998, Methods for generating polynucleotides having desired characteristics by iterative selection and recombination; Willem P. C. Stemmer, et al., 435/6 [IMAGE AVAILABLE]

36. 5,802,296, Sep. 1, 1998, Supervisory powers that provide additional control over images on computers system displays to users interactings via computer systems; Norman Morse, et al., 395/200.38; 345/7, 8; 395/200.33, 200.39 [IMAGE AVAILABLE]

37. 5,786,921, Jul. 28, 1998, Infrared communication device for multistandard operations; Li-Chen Wang, et al., 359/152, 113 [IMAGE AVAILABLE]

38. 5,766,850, Jun. 16, 1998, Human .beta.2 integrin .alpha. subunit; W. Michael Gallatin, et al., 435/6, 7.2, 7.8; 536/25.4 [IMAGE AVAILABLE]

39. 5,728,533, Mar. 17, 1998, Human .beta..sub.2 integrin .alpha.subunit; W. Michael Gallatin, et al., 435/7.1, 7.8; 530/350, 380

[IMAGE AVAILABLE]

40. 5,719,028, Feb. 17, 1998, Cleavase fragment length polymorphism;
James E. Dahlberg, et al., 435/6, 19, 91.53, 199 [IMAGE AVAILABLE]

41. 5,708,816, Jan. 13, 1998, Method and apparatus for interrupt
management for low power PDA; Michael F. Culbert, 395/737, 673, 726, 735
[IMAGE AVAILABLE]

42. 5,656,422, Aug. 12, 1997, Compositions and methods for detection of
2,4-dichlorophenoxyacetic acid and related compounds; Ronald L. Crawford,
et al., 435/4, 25, 42, 46, 174, 177, 179, 180, 325, 348, 349, 358, 365,
367, 419, 810, 822, 829, 849 [IMAGE AVAILABLE]

43. 5,643,723, Jul. 1, 1997, Detection of a genetic locus encoding
resistance to rifampin in mycobacterial cultures and in clinical
specimens; David H. Persing, et al., 435/6, 91.1, 91.2, 863; 536/23.7,
24.32, 24.33 [IMAGE AVAILABLE]

44. 5,617,236, Apr. 1, 1997, Infrared communication device for
multistandard operations; Li-Chen Wang, et al., 359/172, 137, 176;
375/214 [IMAGE AVAILABLE]

45. 5,470,953, Nov. 28, 1995, Human .beta..sub.2 integrin .alpha.
subunit; W. Michael Gallatin, et al., 530/350; 536/22.1, 23.1, 23.4, 23.5
[IMAGE AVAILABLE]

46. 5,392,447, Feb. 21, 1995, Image-based electronic pocket organizer
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48. 5,289,394, Feb. 22, 1994, Pocket computer for word processing; James
M. Lapeyre, deceased, 364/709.12, 710.14 [IMAGE AVAILABLE]

49. 4,199,814, Apr. 22, 1980, Computer numerical control machine tool;
Edward J. Rapp, et al., 364/474.22; 318/568.1, 573, 574; 364/192, 474.26,
474.31, 921, 921.2, 926.9, 927.2, 927.5, 927.8, 928, 933.8, 937, 940,
940.1, 940.2, 942.8, 943.9, 944.92, 946, 949, 952, 952.4, 952.5, 952.6,
959.1, 964, 965, 965.5, 965.76, DIG.2 [IMAGE AVAILABLE]

50. 5,781,190, Jul. 14, 1998, Method and system for transferring a slide
presentation between computers; David P. H. Gorbet, et al., 345/335;
395/200.3 [IMAGE AVAILABLE]

51. 5,744,343, Apr. 28, 1998, Ubiquitin conjugating enzymes; Giulio
Draetta, et al., 435/193, 252.3, 254.11, 320.1, 325; 536/23.2, 23.4
[IMAGE AVAILABLE]

52. 5,706,509, Jan. 6, 1998, Application independent record level
synchronization; Michael Man-Hak Tso, 707/201, 200, 202 [IMAGE AVAILABLE]

53. 5,698,807, Dec. 16, 1997, Digital sampling instrument; Dana C.
Massie, et al., 84/661, DIG.9; 381/61; 704/262, 264, 268 [IMAGE
AVAILABLE]

54. 5,605,797, Feb. 25, 1~~~, Bovine .beta.-mannosidase gene and me~~~ds of use; Karen Friderici, et al., 435/6, 91.2; 536/23.1, 24.3, 24.31, 24.33 [IMAGE AVAILABLE]

55. 5,586,198, Dec. 17, 1996, Method and apparatus for identifying characters in ideographic alphabet; David Lakritz, 382/185; 400/110 [IMAGE AVAILABLE]

56. 5,483,586, Jan. 9, 1996, Electronic on-line subscriber telephone directory; Lester Sussman, 379/201, 216, 355 [IMAGE AVAILABLE]

57. 5,437,958, Aug. 1, 1995, Human .beta..sub.2 integrin .alpha. subunit; William M. Gallatin, et al., 435/365, 69.1, 252.3; 530/350; 536/22.1, 23.1, 23.5 [IMAGE AVAILABLE]

58. 5,248,845, Sep. 28, 1993, Digital sampling instrument; Dana C. Massie, et al., 84/622, 661, DIG.9, DIG.10 [IMAGE AVAILABLE]

59. 5,792,611, Aug. 11, 1998, Detection of plant pathogenic fungi; Richard C. Hamelin, 435/6, 4; 536/24.32, 24.33 [IMAGE AVAILABLE]

60. 5,789,802, Aug. 4, 1998, Dopant profile spreading for arsenic source/drain; Nicholas H. Tripsas, 257/607, 383, 384 [IMAGE AVAILABLE]

61. 5,747,655, May 5, 1998, Neurturin and related growth factors; Eugene M. Johnson, Jr., et al., 530/399; 435/358; 530/350 [IMAGE AVAILABLE]

62. 5,739,307, Apr. 14, 1998, Polynucleotide encoding neurturin neurotrophic factor; Eugene M. Johnson, Jr., et al., 536/23.51; 435/69.1, 252.3, 320.1, 325, 348; 536/24.31 [IMAGE AVAILABLE]

63. 5,637,463, Jun. 10, 1997, Method to detect protein-protein interactions; Stephen Dalton, et al., 435/6, 69.7, 320.1; 530/350; 536/23.4, 23.5 [IMAGE AVAILABLE]

64. 5,576,423, Nov. 19, 1996, Antibodies to the slam protein expressed on activated T cells; Gregorio Aversa, et al., 530/388.75; 424/154.1; 435/70.21, 331, 343.2; 530/387.9, 389.6, 391.3 [IMAGE AVAILABLE]

65. 5,575,576, Nov. 19, 1996, Keyboard; Brunn W. Roysden, Jr., 400/472; 341/22; 400/88, 486 [IMAGE AVAILABLE]

66. 5,532,641, Jul. 2, 1996, ASK demodulator implemented with digital bandpass filter; Peruvemba S. Balasubramanian, et al., 329/311, 361; 375/320, 343 [IMAGE AVAILABLE]

67. 5,337,263, Aug. 9, 1994, Simplified checkbook balancing computer system; John J. Patermaster, 364/705.02; 235/380; D14/106 [IMAGE AVAILABLE]

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=> s software and wizard

        74237 SOFTWARE
          200 WIZARD
L3         67 SOFTWARE AND WIZARD

=> focus

PROCESSING COMPLETED FOR L3
L4          67 FOCUS L3 1-

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26. 5,335,276. Aug. 2, 1994. Communication system and methods for
enhanced information transfer; E. Earle Thompson, et al., 380/21;
379/88.02, 88.13, 201, 357, 434; 380/23, 25; 455/74, 186.1, 558, 563,
566; 704/246, 272, 275 [IMAGE AVAILABLE]

27. 5,778,402. Jul. 7, 1998. Method and system for auto-formatting a
document using an event-based rule engine to format a document as the
user types; Dale L. Gipson. 707/530, 523, 531 [IMAGE AVAILABLE]

28. 5,754,737. May 19, 1998. System for supporting interactive text
correction and user guidance features; Dale L. Gipson. 706/11, 47 [IMAGE
AVAILABLE]

29. 5,593,349. Jan. 14, 1997. Automated league and tournament system for
electronic games; Edward K. Miguel. et al., 463/30; 273/371; 463/1 [IMAGE
AVAILABLE]

30. 5,483,052. Jan. 9, 1996. System for reading, storing and using
bar-encoded data from a coded business card or other printed material;
Herbert J. Smith, III, et al., 235/472, 380 [IMAGE AVAILABLE]

31. 5,475,375. Dec. 12, 1995. Electronic access control systems; Martin
A. Barrett, et al., 340/825.31; 379/102.06 [IMAGE AVAILABLE]

32. 5,701,423. Dec. 23, 1997. Method for mapping, translating, and
dynamically reconciling data between disparate computer platforms; Keith
Crozier. 345/335; 395/200.83; 705/22, 28; 707/102, 505 [IMAGE AVAILABLE]

33. 5,666,553. Sep. 9, 1997. Method for mapping, translating, and
dynamically reconciling data between disparate computer platforms; Keith
Crozier. 707/540, 203 [IMAGE AVAILABLE]

34. 5,654,696. Aug. 5, 1997. Method for transferring auxillary data
using components of a secure entry system; Martin A. Barrett, et al.,
340/825.31; 70/63; 379/102.06 [IMAGE AVAILABLE]

35. 5,811,238. Sep. 22, 1998. Methods for generating polynucleotides
having desired characteristics by iterative selection and recombination;
Willem P. C. Stemmer, et al., 435/6 [IMAGE AVAILABLE]

36. 5,802,296. Sep. 1, 1998. Supervisory powers that provide additional
control over images on computers system displays to users interactings
via computer systems; Norman Morse, et al., 395/200.38; 345/7, 8;
395/200.33, 200.39 [IMAGE AVAILABLE]

37. 5,786,921. Jul. 28, 1998. Infrared communication device for
multistandard operations; Li-Chen Wang, et al., 359/152, 113 [IMAGE
AVAILABLE]

38. 5,766,850. Jun. 16, 1998. Human .beta.2 integrin .alpha. subunit; W.
Michael Gallatin, et al., 435/6, 7.2, 7.8; 536/25.4 [IMAGE AVAILABLE]

39. 5,728,533. Mar. 17, 1998. Human .beta..sub.2 integrin
.alpha.subunit; W. Michael Gallatin, et al., 435/7.1, 7.8; 530/350, 380
[IMAGE AVAILABLE]

40. 5,719,028, Feb. 17, 1▓▓ Cleavase fragment length polymorphis▓▓
James E. Dahlberg, et al., ▓▓6, 19, 91.53, 199 [IMAGE AVAILABLE] ▓▓

41. 5,708,816, Jan. 13, 1998, Method and apparatus for interrupt
management for low power PDA; Michael F. Culbert, 395/737, 673, 726, 735
[IMAGE AVAILABLE]

42. 5,656,422, Aug. 12, 1997, Compositions and methods for detection of
2,4-dichlorophenoxyacetic acid and related compounds; Ronald L. Crawford,
et al., 435/4, 25, 42, 46, 174, 177, 179, 180, 325, 348, 349, 358, 365,
367, 419, 810, 822, 829, 849 [IMAGE AVAILABLE]

43. 5,643,723, Jul. 1, 1997, Detection of a genetic locus encoding
resistance to rifampin in mycobacterial cultures and in clinical
specimens; David H. Persing, et al., 435/6, 91.1, 91.2, 863; 536/23.7,
24.32, 24.33 [IMAGE AVAILABLE]

44. 5,617,236, Apr. 1, 1997, Infrared communication device for
multistandard operations; Li-Chen Wang, et al., 359/172, 137, 176;
375/214 [IMAGE AVAILABLE]

45. 5,470,953, Nov. 28, 1995, Human .beta..sub.2 integrin .alpha.
subunit; W. Michael Gallatin, et al., 530/350; 536/22.1, 23.1, 23.4, 23.5
[IMAGE AVAILABLE]

46. 5,392,447, Feb. 21, 1995, Image-based electronic pocket organizer
with integral scanning unit; Carl W. Schlack, et al., 345/339; 364/231,
231.1, 231.2, 231.3, 231.31, 237.82, 237.9, 709.11, DIG.1; 379/355 [IMAGE
AVAILABLE]

47. 5,392,390, Feb. 21, 1995, Method for mapping, translating, and
dynamically reconciling data between disparate computer platforms; Keith
Crozier, 345/335; 707/505 [IMAGE AVAILABLE]

48. 5,289,394, Feb. 22, 1994, Pocket computer for word processing; James
M. Lapeyre, deceased, 364/709.12, 710.14 [IMAGE AVAILABLE]

49. 4,199,814, Apr. 22, 1980, Computer numerical control machine tool;
Edward J. Rapp, et al., 364/474.22; 318/568.1, 573, 574; 364/192, 474.26,
474.31, 921, 921.2, 926.9, 927.2, 927.5, 927.8, 928, 933.8, 937, 940,
940.1, 940.2, 942.8, 943.9, 944.92, 946, 949, 952, 952.4, 952.5, 952.6,
959.1, 964, 965, 965.5, 965.76, DIG.2 [IMAGE AVAILABLE]

50. 5,781,190, Jul. 14, 1998, Method and system for transferring a slide
presentation between computers; David P. H. Gorbet, et al., 345/335;
395/200.3 [IMAGE AVAILABLE]

51. 5,744,343, Apr. 28, 1998, Ubiquitin conjugating enzymes; Giulio
Draetta, et al., 435/193, 252.3, 254.11, 320.1, 325; 536/23.2, 23.4
[IMAGE AVAILABLE]

52. 5,706,509, Jan. 6, 1998, Application independent record level
synchronization; Michael Man-Hak Tso, 707/201, 200, 202 [IMAGE AVAILABLE]

53. 5,698,807, Dec. 16, 1997, Digital sampling instrument; Dana C.
Massie, et al., 84/661, DIG.9; 381/61; 704/262, 264, 268 [IMAGE
AVAILABLE]

54. 5,605,797, Feb. 25, 1997, Bovine .beta.-mannosidase gene and methods

of use: Karen Friderici, e██a██, 435/6, 91.2; 536/23.1, 24.3, 24.31██
24.33 [IMAGE AVAILABLE]

55. 5,586,198, Dec. 17, 1996, Method and apparatus for identifying
characters in ideographic alphabet; David Lakritz, 382/185; 400/110
[IMAGE AVAILABLE]

56. 5,483,586, Jan. 9, 1996, Electronic on-line subscriber telephone
directory; Lester Sussman, 379/201, 216, 355 [IMAGE AVAILABLE]

57. 5,437,958, Aug. 1, 1995, Human .beta..sub.2 integrin .alpha.
subunit; William M. Gallatin, et al., 435/365, 69.1, 252.3; 530/350;
536/22.1, 23.1, 23.5 [IMAGE AVAILABLE]

58. 5,248,845, Sep. 28, 1993, Digital sampling instrument; Dana C.
Massie, et al., 84/622, 661, DIG.9, DIG.10 [IMAGE AVAILABLE]

59. 5,792,611, Aug. 11, 1998, Detection of plant pathogenic fungi;
Richard C. Hamelin, 435/6, 4; 536/24.32, 24.33 [IMAGE AVAILABLE]

60. 5,789,802, Aug. 4, 1998, Dopant profile spreading for arsenic
source/drain; Nicholas H. Tripsas, 257/607, 383, 384 [IMAGE AVAILABLE]

61. 5,747,655, May 5, 1998, Neurturin and related growth factors; Eugene
M. Johnson, Jr., et al., 530/399; 435/358; 530/350 [IMAGE AVAILABLE]

62. 5,739,307, Apr. 14, 1998, Polynucleotide encoding neurturin
neurotrophic factor; Eugene M. Johnson, Jr., et al., 536/23.51; 435/69.1,
252.3, 320.1, 325, 348; 536/24.31 [IMAGE AVAILABLE]

63. 5,637,463, Jun. 10, 1997, Method to detect protein-protein
interactions; Stephen Dalton, et al., 435/6, 69.7, 320.1; 530/350;
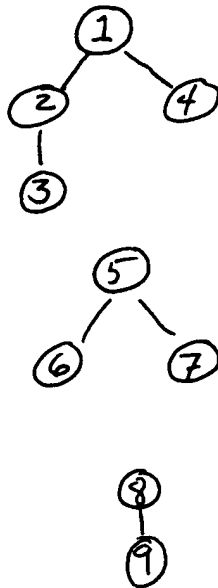536/23.4, 23.5 [IMAGE AVAILABLE]

64. 5,576,423, Nov. 19, 1996, Antibodies to the slam protein expressed
on activated T cells; Gregorio Aversa, et al., 530/388.75; 424/154.1;
435/70.21, 331, 343.2; 530/387.9, 389.6, 391.3 [IMAGE AVAILABLE]

65. 5,575,576, Nov. 19, 1996, Keyboard; Brunn W. Roysden, Jr., 400/472;
341/22; 400/88, 486 [IMAGE AVAILABLE]

66. 5,532,641, Jul. 2, 1996, ASK demodulator implemented with digital
bandpass filter; Peruvemba S. Balasubramanian, et al., 329/311, 361;
375/320, 343 [IMAGE AVAILABLE]

67. 5,337,263, Aug. 9, 1994, Simplified checkbook balancing computer
system; John J. Patermaster, 364/705.02; 235/380; D14/106 [IMAGE
AVAILABLE]

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